

## ABSTRACT

The present invention aims at simplifying configurations of devices compliant to a plurality of simultaneously imaged video signals. A plurality of imaging means 101 and 102 obtains a plurality of imaged video signals P1 and P2. These signals are selected at a vertical synchronization timing (104) to generate one system of composed video signal Pmix0. Compression means 105 compresses the composed video signal Pmix0 to record or transmit it. Decompression means 107 decompresses a compressed and composed video signal Pmix2 which is reproduced from a recording medium or is received. A video decomposition process can recover an original plurality of systems of video signals simply by selecting the signals at the vertical synchronization timing (109). An interpolation process is performed for a field that is lost due to the field-based selection during composition.